

Title (en)

METHODS FOR PRODUCING A CELLULOSIC FIBER HAVING A HIGH CURL INDEX AND ACQUISITION

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER CELLULOSEFASER MIT HOHEM KRÄUSELUNGSINDEX

Title (fr)

PROCÉDÉS DE PRODUCTION D'UNE FIBRE CELLULOSIQUE PRÉSENTANT UN INDICE DE FRISURE ÉLEVÉ

Publication

**EP 3277240 A1 20180207 (EN)**

Application

**EP 16774277 A 20160401**

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Abstract (en)

[origin: WO2016161230A1] A process for producing cellulosic fiber with a high curl index is disclosed. The process can include mechanically treating and chemically crosslinking kraft pulp. The mechanical treatment of the pulp can include convolving and mechanically treating a pulp at in a plug screw and steam tube at temperatures above 100 °C and pressures above 3 bar. The mechanically treated pulp can be crosslinked with a crosslinking agent. The product fiber can exhibit a curl index of greater than 0.35, and can be at least 50% higher than the initial curl of the starting pulp material.

IPC 8 full level

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